Datasheet for ABIN1642140

CHEK1 Protein (AA 1-476) (His tag)

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Overview

Quantity:	1 mg
Target:	CHEK1
Protein Characteristics:	AA 1-476
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHEK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAVPFVEDWD LVQTLGEGAY GEVQLAVNRI TEEAVAVKIV DMKRAIDCPE NIKKEICINK MLNHENVVKF YGHRREGNIQ YLFLEYCSGG ELFDRIEPDI GMPEQDAQRF FHQLMAGVVY LHGIGITHRD IKPENLLLDE RDNLKISDFG LATVFRHNNR ERLLNKMCGT LPYVAPELLK RKEFHAEPVD VWSCGIVLTA MLAGELPWDQ PSDSCQEYSD WKEKKTYLNP WKKIDSAPLA LLHKILVENP SARITIPDIK KDRWYNKPLN RGAKRPRATS GGMSESSSGF SKHIHSNLDF SPINSGSSEE NVKFSSSQPE PRTGLSLWDT GPSNVDKLVQ GISFSQPTCP DHMLVNSQLL GTPGSSQNPW QRLVKRMTRF FTKLDADKSY QCLKETFEKL GYQWKKSCMN QVTVSTMDRR NNKLIFKINL VEMDEKILVD FRLSKGDGLE FKRHFLKIKG KLSDIVSSQK VWFPVT
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	CHEK1
Alternative Name:	Serine/threonine-protein kinase Chk1 (Chek1) (CHEK1 Products)
Background:	Recommended name: Serine/threonine-protein kinase Chk1. EC= 2.7.11.1. Alternative name(s): CHK1 checkpoint homolog Checkpoint kinase-1
UniProt:	Q91ZN7
Pathways:	p53 Signaling, Apoptosis, Cell Division Cycle, DNA Damage Repair

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C

Handling

Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.